

Application No. 10/657,457

**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of All Pending Claims**

1. (previously presented) A quarter-wave transformer in a handheld wireless communications device, comprising:
  - a conductive trace positioned on a substrate, at least a portion of the conductive trace defining a trace axis on the substrate; and
  - a dielectric block consisting of solid dielectric material, the dielectric block having a block edge, the dielectric block mounted on the substrate in proximity to the conductive trace and with the block edge rotated to a target orientation with respect to the trace axis to obtain a desired electrical property of the conductive trace.
2. (previously presented) A circuit card assembly, comprising:
  - a printed circuit board (PCB);
  - an electrical component mounted on the PCB, the electrical component having a component edge; and
  - a dielectric component mountable on the PCB at a plurality of angles with respect to the component edge, the dielectric component comprising solid dielectric material having a dielectric constant for modifying at least one electrical parameter of the electrical component, wherein the dielectric component mounted at a first angle of the plurality of angles produces a desired modification of the at least one electrical parameter.
3. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is in a form of a block.
4. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board and is disposed on top of

Application No. 10/657,457

the electrical component.

5. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board and is disposed under the electrical component.

6. (original) The circuit card assembly according to claim 2, wherein the electrical component is a trace.

7. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board utilizing non-conductive adhesive dots attached to the printed circuit board.

8. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board utilizing non-conductive pads attachable from a surface of the dielectric component to the circuit card assembly.

9. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is in direct contact with the electrical component.

10. - 15. (canceled)

16. (previously presented) The circuit card assembly according to claim 2, wherein the electrical component is a quarter-wave transformer.

17. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board at a second angle of the plurality of angles for optimizing the trace for cellular band frequency communication.

18. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board at a third angle of the

Application No. 10/657,457

plurality of angles for optimizing the trace for personal communications services (PCS) communication.

19. (previously presented) The circuit card assembly according to claim 2, wherein the dielectric component is attached to the printed circuit board at a fourth angle of the plurality of angles for optimizing the trace for global positioning system (GPS) frequency communication.

20. (previously presented) The quarter-wave transformer of claim 1, wherein the dielectric block is in direct contact with the conductive trace.

21. (previously presented) The quarter-wave transformer of claim 1, wherein the dielectric block is disposed above the conductive trace.

22. (previously presented) The quarter-wave transformer of claim 1, wherein the dielectric block is disposed below the conductive trace.

23. (previously presented) The quarter-wave transformer of claim 1, wherein the target orientation is a first orientation for optimizing the trace for cellular band frequency communication.

24. (previously presented) The quarter-wave transformer of claim 1, wherein the target orientation is a second orientation for optimizing the trace for personal communications services (PCS) communication.

25. (previously presented) The quarter-wave transformer of claim 1, wherein the target orientation is a third orientation for optimizing the trace for global positioning system (GPS) frequency communication.

Application No. 10/657,457

26. (new) A method for modifying an electrical parameter of an electrical component on a surface, comprising:

placing a dielectric component in proximity to the electrical component, the dielectric component comprising a solid dielectric material having a dielectric constant, the dielectric component modifying the electrical parameter of the electrical component as a function of an orientation of the dielectric component relative to the electrical component; and

modifying the electrical parameter to a desired electrical parameter by rotating the dielectric component to a target angle with respect to an edge of the electrical component.